



Tesselation 10 (E)

"Be silent, O sufferer of steatopygia gravis."

Suite: Tesselation Party!

by Arya Akhavan (October 2012)

Angles for R.I. = 1.930

44 + 10 girdles = 54 facets

2-fold, mirror-image symmetry

96 index

L/W = 1.186

P/W = 0.515 C/W = 0.230

Vol./W³ = 0.321

PAVILION

P1	47.24°	96-48	Cut to centerpoint.
P2	43.61°	09-39-57-87	Meet at culet.
P3	42.91°	21-27-69-75	Meet at culet.
G1	90.00°	96-48	Set stone width.
G2	90.00°	09-39-57-87	Level girdle.
G3	90.00°	21-27-69-75	Level girdle.
P4	44.21°	02-46-50-94	Meet P1, P2, G1, G2
P5	42.22°	08-40-56-88	Meet P1, P2, G1, G2, P4; culet
P6	41.24°	22-26-70-74	Meet P2, P3, P5; P3, G3; culet

CROWN

C1	38.97°	21-27-69-75	Set girdle width.
C2	39.79°	09-39-57-87	Level girdle.
C3	56.24°	96-48	Level girdle.
C4	34.20°	22-26-70-74	Meet G3, C1
C5	22.65°	10-38-58-86	Meet C1, C2, C4
C6	25.53°	96-48	Meet C2, C3, C5
C7	3.61°	24-72	Meet C4, C5; C5, C6

This pattern has a reasonably standard-shaped outline, but a completely unique crown layout. I could have gone with a flat table, but the point of the pattern was to have a tessellated checkerboard. Works great for recuts of bellied ovals! Can be cut in materials from feldspar to rutile (RI = 1.52 - 2.62) with no changes.

Suggested length = 6-10 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Works in Progress\Tessellations\Tesselation 10 (E) - From Fleabay, With Love.ge